Engineered Solutions

We make the
most unusual
openings possible.



RIXSON
ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

INTRODUCTION

When Finnish architect Oscar C. Rixson opened his door hardware manufacturing company, in Chicago, in 1900, his first products were highly traditional – surface door closers, window and sash hardware. But, soon Rixson and his engineers were moved to create specialty products that allowed the beauty of the buildings to take center stage.

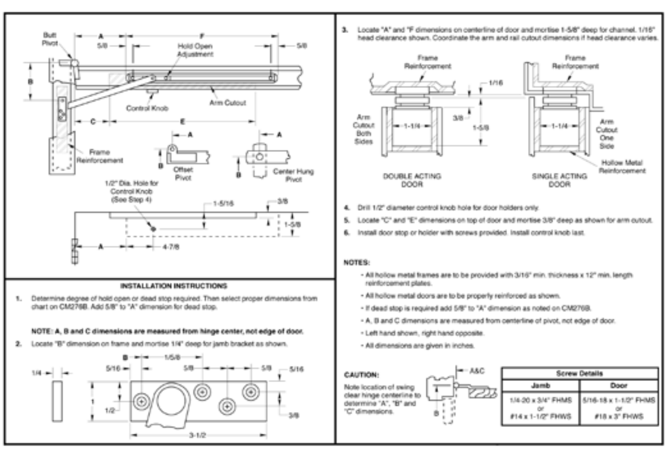
Today, architects, around the globe, select *Rixson* products to transform their wildest and most creative design dreams into structures of elegance and excellence. No other hardware manufacturer caters to special openings created by imaginative designers like Rixson.

If you're ready to think beyond the ordinary, let *Rixson* help inspire you. With more than 5,000 special layout products for entryways of all sizes, there's no limit to where your dreams can take you.



STANDARD PRODUCT — CHANGED LOCATION ON DOOR

Where does the door hardware go on the door? With *Rixson*, just about anywhere you need it to. Our special layout templates allow you to move the position of a closer or holder to accommodate other hardware on the door.



INSTALLATION INSTRUCTIONS

1. Determine degree of hold open or dead stop required. Then select proper dimensions from chart on CM276B. Add 5/8" to "A" dimension for dead stop.

NOTE: A, B and C dimensions are measured from hinge center, not edge of door.

2. Locate "B" dimension on frame and mortise 1/4" deep for jamb bracket as shown.
3. Locate "A" and "F" dimensions on centerline of door and mortise 1-5/8" deep for channel. 1/16" head clearance shown. Coordinate the arm and rail cutout dimensions if head clearance varies.
4. Drill 1/2" diameter control knob hole for door holders only.
5. Locate "C" and "E" dimensions on top of door and mortise 3/8" deep as shown for arm cutout.
6. Install door stop or holder with screws provided. Install control knob last.

NOTES:

- All hollow metal frames are to be provided with 3/16" min. thickness x 12" min. length reinforcement plates.
- All hollow metal doors are to be properly reinforced as shown.
- If dead stop is required add 5/8" to "A" dimension as noted on CM276B.
- A, B and C dimensions are measured from centerline of pivot, not edge of door.
- Left hand shown, right hand opposite.
- All dimensions are given in inches.

CAUTION:
Note location of swing clear hinge centerline to determine "A", "B" and "C" dimensions.

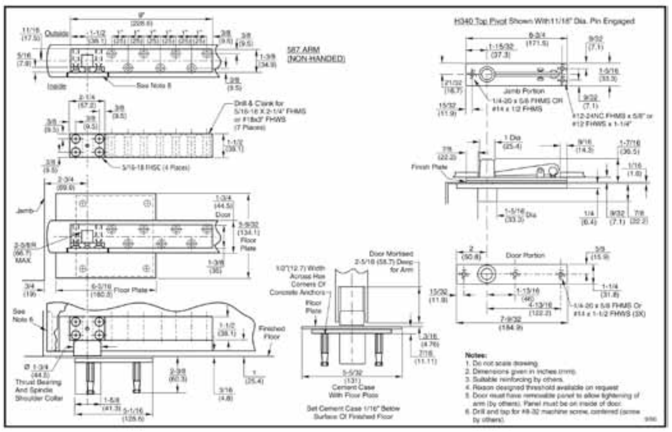
Screw Details	
Jamb	Door
1/4-20 x 3/4" FHMS or #14 x 1-1/2" FHWS	5/16-18 x 1-1/2" FHMS or #18 x 3" FHWS



Checkmate #2 mounted with continuous hinges

NON-STANDARD APPLICATONS

You're not like other designers – and neither are your designs. With *Rixson*, standard catalogued products can be used in very un-standard ways. So, go ahead and create that hidden room. Only you'll know how the bookcase transforms to a secret passageway.

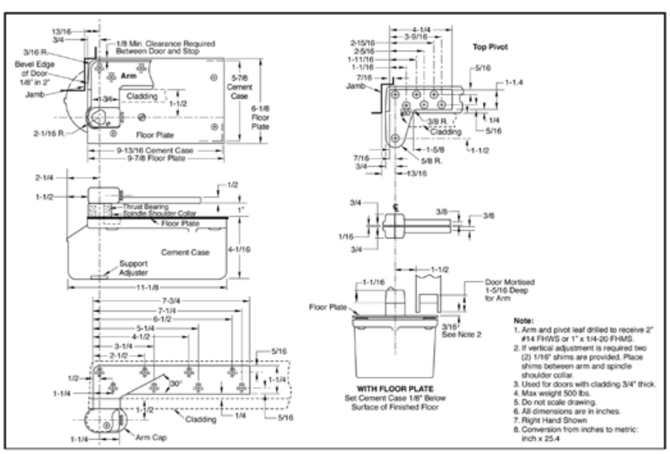




H117-3/4 x 587 Pivot Set
Photo Courtesy of Gary Katz

CONCEALED DOOR

When is a door not a door? When it's a chameleon … concealed to look like part of the surrounding environment. With a Rixson special layout, an extended offset can accommodate cladding on a door to match the surrounding wall.





L27 x with Cladding

STANDARD PRODUCTS FOR FINISHING TOUCHES

They say the devil is in the details. But so is the difference … and that's what sets you and your projects apart from the rest. With *Rixson* products, you can add polish and pizzazz with finishing touches like extended offsets for special trims. Don't forget cover pans for closer installation under your beautiful floors.







Tarrant County Courthouse

DREAM THOSE DREAMS!

You're one of those people who like a challenge. Just let someone tell you it can't be done. We understand. We don't have anything against normal doors – we're just a bit partial to those that are really tall, wide, heavy or unusual. And we don't let something like "guidelines" stop us. We exist to bend to rules – just call our engineers and ask.









YOU GIVE US THE FACTS; WE'LL GIVE YOU A SOLUTION.

Requests for design help must include header, sill, side jamb and door detail drawings; usage; weight, fire-rated and if you want the door to be self-closing or pivot. All drawings must be submitted in PDF format.

Please contact Technical Support at 866-474-9766 or visit www.rixson.com.

CONTACT US AT:

Rixson®
3000 Highway 74 East
Monroe, NC 28112
Tel: 800-457-5670
Fax: 800-338-0965

ASSA ABLOY Door Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario, L4K 4T9 Canada
Tel: 800-461-3007
Fax: 800-221-0489

For a complete listing of products and applications please visit our web site.
www.rixson.com
www.assaabloy.ca

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